

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: William VAINCHENKER et al.  
Title: IDENTIFICATION OF A JAK2 MUTATION INVOLVED IN  
VAQUEZ POLYGLOBULIA  
Appl. No.: Unassigned (US Natl. Stage of PCT/EP2005/055586)  
Intl. Filing Date: 10/26/2005  
Examiner: Unassigned  
Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

The documents being cited in the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding international application. A copy of the International Search Report is attached setting forth the portion of the documents considered relevant by the examiner. Copies of the cited references listed in the Search Report are not being submitted herewith.

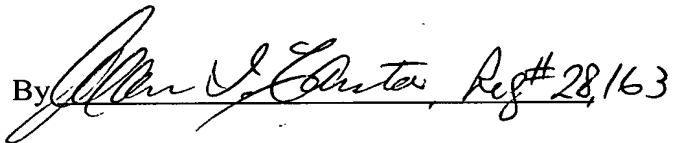
Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

Date MAY 24 2006

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

APPROPRIATE TO 21 MAY 2006  
Complete if Known

Substitute for form 1449B/PTO				Application Number		Unassigned	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date		10/26/2005	
Date Submitted: MAY 24 2006				First Named Inventor		William VAINCHENKER	
(use as many sheets as necessary)				Group Art Unit		Unassigned	
Sheet 1 of 1				Examiner Name		Unassigned	
				Attorney Docket Number		065691-0445	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,914,393	A	Coleman et al.	06/22/1999	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>6</sup>
	A2	Database UniProt Online, June 7, 2005, "Janus kinase 2.", XP002369149, retrieved from EBI accession no. UNIPROT:Q506Q0.		
	A3	JAMES et al., "A unique clonal JAK2 mutation leading to constitutive signaling causes polycythaemia vera," Nature, vol. 434, no. 7037, April 2005, pp. 1144-1148.		
	A4	BAXTER et al., The Cancer Genome Project, "Acquired mutation of the tyrosine kinase JAK2 in human myeloproliferative disorders," The Lancet, vol. 365, no. 9464, march 19, 2005, pp. 1054-1061.		
	A5	UGO et al., "Multiple signaling pathways are involved in erythropoietin-independent differentiation of erythroid progenitors in polycythemia vera," Experimental Hematology, vol. 32, no. 2, February 2004, pp. 179-187.		
	A6	SALTZMAN et al., "Cloning and characterization of human JAK-2 kinase: High mRNA expression in immune cells and muscle tissue," Biochemical and Biophysical Research Communications, vol. 246, no. 3, May 29, 1998, pp. 627-633.		
	A7	PAUL, H.L., "Towards a molecular understanding of polycythemia rubra vera," European Journal of Biochemistry, vol. 267, no. 12, June 2000, pp. 3395-3401.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.